

# BAM-1020 Audit Sheet

Model: **BAM-1020**

Serial Number: **721292**

Audit Date: **2-1-17**

Audited By: **M. Potter**

Flow Audits			
Flow Reference Standard Used:	Model: <b>Defl Cal</b>	Serial No: <b>146294</b>	Calibration Date: <b>1/16/16</b>
Temperature Standard Used:	Model: <b>"</b>	Serial No: <b>"</b>	Calibration Date: <b>"</b>
Barometric Pressure Standard Used:	Model: <b>"</b>	Serial No: <b>"</b>	Calibration Date: <b>"</b>

Leak Check Value:	as found: <b>0.7 lpm</b>	as left: <b>lpm</b>	
Ambient Temperature:	as found: <b>6.7 C</b>	as left: <b>6.7 C</b>	N/A <input type="checkbox"/>
Barometric Pressure:	as found: <b>750 mmHg</b>	as left: <b>748.5 mmHg</b>	
Flow Rate (Actual Volumetric):	as found: <b>16.7 lpm</b>	as left: <b>16.73 lpm</b>	N/A <input type="checkbox"/>
Flow Rate (EPA Standard):	as found: <b>slpm</b>	as left: <b>slpm</b>	N/A <input type="checkbox"/>

Mechanical Audits			
Pump muffler unclogged:	as found <input checked="" type="checkbox"/>	as left <input type="checkbox"/>	
Sample nozzle clean:	as found <input checked="" type="checkbox"/>	as left <input type="checkbox"/>	
Tape support vane clean:	as found <input checked="" type="checkbox"/>	as left <input type="checkbox"/>	
Capstan shaft clean:	as found <input checked="" type="checkbox"/>	as left <input type="checkbox"/>	
Rubber pinch rollers clean:	as found <input type="checkbox"/>	as left <input checked="" type="checkbox"/>	
Chassis ground wire installed:	as found <input checked="" type="checkbox"/>	as left <input type="checkbox"/>	
PM10 particle trap clean:	as found <input type="checkbox"/>	as left <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
PM10 drip jar empty:	as found <input type="checkbox"/>	as left <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
PM10 bug screen clear:	as found <input type="checkbox"/>	as left <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
PM2.5 particle trap clean:	as found <input type="checkbox"/>	as left <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Inlet tube water-tight seal OK:	as found <input checked="" type="checkbox"/>	as left <input type="checkbox"/>	
Inlet tube perpendicular to BAM:	as found <input checked="" type="checkbox"/>	as left <input type="checkbox"/>	

Analog Voltage Output Audit			N/A <input type="checkbox"/>
DAC Test Screen	BAM Voltage Output	Logger Voltage Input	
0.000 Volts	Volts	Volts	
0.500 Volts	Volts	Volts	
1.000 Volts	Volts	Volts	

Membrane Audit	
LAST m (mg):	
ABS (mg):	
Difference (mg):	
% Difference:	

Flow Control Range	
Flow Setpoint	BAM Flow
15.0 LPM	
16.7 LPM	
18.4 LPM	

Setup and Calibration Values								
Parameter	Expected	Found	Parameter	Expected	Found	Parameter	Expected	Found
Clock Time/Date			FLOW TYPE			AP		
RS232 baud			Cv			FRI		
STATION #			Qo			FRh		
RANGE			ABS			Password		
BAM SAMPLE			μ sw			Cycle Mode		
MET SAMPLE			K Factor			RH Control		
OFFSET			BKGD			RH Setpoint		
CONC UNITS			STD TEMP			Datalog RH		
COUNT TIME			HEATER			Delta-T Control		
FLOW RATE			el			Delta-T Setpoint		
CONC TYPE			Errors			Datalog Delta-T		

Last 6 Errors in BAM-1020 Error Log					
Error	Date	Time	Error	Date	Time
1 Maintenance	2/1/17	11:37	4 BAM Cal Membrane Sp	12/5/16	00:59
2 Maintenance	1/31/17	9:48	5 Membrane Count	12/5/16	00:59
3 Maintenance	1/31/17	9:23	6 Maintenance	12/3/16	17:15

Audit Notes: **Running on arrival; Data Download. Tape test = Pass 2x**  
**11/24/17 Master Download and changed fuse**